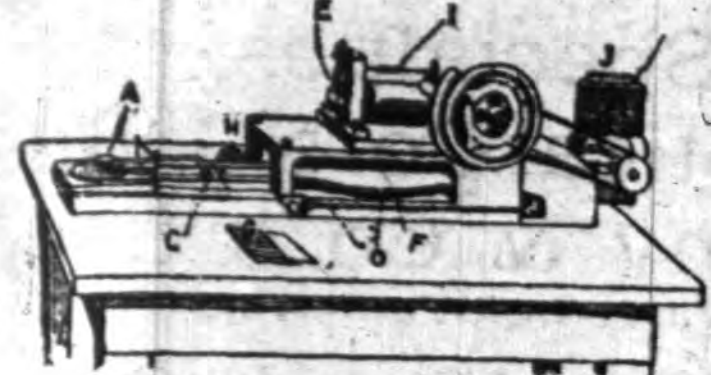


ELECTRIC TYPESETTING.

A New and Ingenious Substitute for Hand Composition.

(Special Correspondence.)
New York, July 19.—The subject of typesetting has been a most profitable source of material for the ever active inventor. Many of our leading papers are now brought out by the aid of a machine instead of the "old style" composition. By a recent invention in this line the type, practically speaking, are entirely done away with. The way in which the present newspaper work, is also relegated to the back seats.

The machine is designed with a view to making a copper matrix ready for backing, as in the ordinary electrotype, at one opera-



SIDE VIEW OF THE MACHINE.

tion. This is done as follows: Power may be generated from a small motor or it may be obtained from any convenient source, only one-horse power being necessary to run the machine. The power is transferred to the driving wheel shown in the illustration from a motor marked J. The wheel connects by means of a crank direct with a reciprocating core, which is incased by a field magnet. As soon as the machine is in motion the work of making the matrix may be commenced.

In the second illustration a device is shown which is called a banjo. In this cut the typehead is marked B. In this head there are ninety-two characters, or all the characters found in an ordinary font of type. There dies are arranged with shoulders and springs, which keep them in place. This banjo is inserted in the space shown over the anvil plate, F, in the machine. The banjo pivots at the point G; thus it has a radical movement at either end. Besides being pivoted, it has a movement backward and forward, in a line with the machine, making its motion similar to that of a pantograph, such as is used in picture reproduction.

Under the outer end of the banjo a series of small holes will be seen; there are ninety-two of these holes, each one representing a letter or figure. Under the button A, on the end of banjo, a small pin is arranged. Upon pressing on the button this pin is driven into one of the holes. When the pin enters the hole it makes a platinum connection with the magnet, and the character E is brought down on the corresponding die in the head of the banjo. The impression from this die is received upon a carriage, which in turn holds a pasteboard covered with a sheet of copper 1-3,000th of an inch thick. When the word has been completed a spacing lever, one of the series marked G, is depressed and the space between the words is thus obtained. The spacing levers are six in number and represent units of space up to and including six.

The feed of the carriage is automatic, being attained by means of the lever, which shows just below the table or anvil plate. The carriage guides are marked O. The pasteboard upon which the impression is made is attached to a rack or toothed rod. The teeth in this rod represent the space between the lines, and the work done may be solid, leaded or double leaded, as the occasion may require. The hammer, which drives the dies or type faces down, is arranged in the upright guards and is marked E. The action of the hammer is instantaneous, as at the moment it has made its stroke it is released from the magnetic contact by the rod I. The machine is so accurate in its operation that an entire line may be rewritten and be just as perfect as it was at a single impression.

The omission of a letter or word is arranged for by means of a slip of matrix paper which is prepared in strips and pasted over the place to be operated upon. A strip of copper is then placed over this, and by means of the spacing levers the mistake is easily and quickly corrected. If, for instance, a line is left out, the matter of insertion is very simple. A cut in the line in the copper between the lines, a strip of new copper inserted and fastened in place and the text completed in less



THE BANJO.

time than it could be done in an ordinary galley of regular type. The different styles of type are provided for by using different banjos. The banjo is easily inserted or removed, and a change may be made in the style of type in a few seconds.

The inventor claims that the machine will turn out 6,000 ems per hour, which is at least four times the work of hand composition. Besides this saving in time in the composing room, the work of making a was impression and making the copper film is done away with, and the matrix is ready for locking into the electrotype form at once.

The serious trouble in typesetting machines has been heretofore confined to justifying. In this machine this is made as simple as it is in hand composition by means of the unit levers. The entire machine measures 3 feet 6 inches in length, 7 inches in width and 12 inches in height at its highest point.

WALTER W. BRETT.

Davy Crockett Memorial.

(Special Correspondence.)
RUTHERFORD, Tenn., July 19.—It is estimated that 40,000 people will attend the Davy Crockett memorial exercises here on Aug. 17. Mayor J. T. Curtis will deliver the address of welcome, which will be responded to by Colonel R. H. Crockett, of Arkansas, grandson of the "hero of the Alamo." The descendants of the noted Tennessee pioneer are very numerous, and 800 of them at least will gather on this occasion to hold a reunion. Davy Crockett was one of the most famous men of his day, and holds a prominent place in the early history of the United States. His famous rifle, "Old Betsy," will be among the relics that will be displayed. A \$25,000 monument is being erected to Colonel Davy Crockett in the court house yard at Trenton. The log cabin in which Crockett lived is still standing, an hour's drive from Rutherford. It is built in true backwoods style.

A Loud Toned Piano.

Russian music must be of a rather loud and sensational kind, if one is to judge it by the piano just manufactured in Paris for M. Nechazoff-Maltzoff, chamberlain of the czar and one of the wealthiest men in Russia. It cost \$1,900, and is of unusual dimensions, standing on six legs, and the sound will be three times as strong as that of an ordinary instrument.



One leads to the other. The "cutting" of prices leads to the substitution of worthless goods—fraudulent imitations of the genuine medicine, dilutions of it, all sorts of cheap substitutes to make a larger profit. That's the reason the makers of Dr. Pierce's medicine object to the cutting of prices—and that's the reason they present it, on their medicines.

To protect the public from fraud and imposition, the genuine guaranteed medicine of Dr. R. V. Pierce are now sold only through druggists regularly authorized as agents, and always at these long-established prices:

Golden Medical Discovery (for the liver, blood and lungs), \$1.00.
Favorite Prescription (for woman's weaknesses and ailments), \$1.00.
Pleasant Pellets (for the liver, stomach and bowels), 25 cents.

But they're the *cheapest* medicines you pay only for the good you get. The money is refunded if they don't benefit or cure. Beware of spurious imitations or substitutes at lower prices than above.

IT IS A DUTY you owe yourself and family to get the best value for your money. W. L. Douglas shoes, which represent the best value for prices asked, as thousands will testify.

DO NOT TAKE NO SUBSTITUTE.



W. L. DOUGLAS
\$3 SHOE FOR GENTLEMEN.

THE BEST SHOE IN THE WORLD FOR THE MONEY. A genuine service shoe, that will not rip, the real leather, smooth inside, flexible, comfortable, stylish and durable than any other shoe ever sold at the price. Equals custom made shoes costing from \$4 to \$5.

\$3.50 Hand-sewed, fine calf shoes. The most stylish, easy and durable shoes ever sold at the price. They equal fine imported shoes costing from \$6 to \$12.

\$3.50 Police Shoe, worn by farmers and all others who want a good heavy calf shoe, three soled, extension edge shoe, easy to walk in, and will keep the feet dry and warm.

\$2.50 Fine Calf, \$2.35 and \$2.00 Workmen's (Gauger's) Shoes will give more wear for the money than any other make. They are made for service. The increasing sales show that workmen have found this out.

Boys' \$2.00 and Youth's \$1.75 School shoes are worn by the boys everywhere. The most serviceable shoes sold at the price.

Ladies' \$3.00 Hand-sewed, \$2.50, \$2.00 and \$1.75. These are made of the best Dongola or fine calf, as the case may be, comfortable and durable.

The \$2.00 shoe equals custom made shoes costing from \$4.00 to \$6.00. Ladies who wish to economize in their footwear are studying this out.

Caution.—W. L. Douglas's name and the price is stamped on the bottom of each shoe. Beware of cheap imitations for them. Such substitutions are fraudulent and subject to prosecution by law for obtaining money under false pretenses.

W. L. DOUGLAS, 146, Broadway, New York. Sold by Newark One-Price Boot and Shoe Store, AGENT.

312 GLENWOOD AVE.

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SEASONABLE SPECIALS.

We are showing a special line of choice printed

Indias and Surahs,

In choice and attractive styles, from 75c to \$1 per yard.

ALSO BEST VARIETY OF EX. SUPER

Plain Indias

In Blacks and Colors, at very reasonable prices.

Summer Fabrics

In Black of all-wool and silk and wool are in best variety and only good goods. Priestley's superb fabrics are largely represented.

Priestley's Silk Warp Henriettas

now, as always, in largest range of qualities and at lowest prices.

Our lines of COLORED SPRING and SUMMER FABRICS win unqualified approval.

All grades, from 30c. and 50c. per yard upward.

JOHN G. KEYLER & SON,

General Furnishing

Undertakers

and Embalmers,

556 Bloomfield Ave., Bloomfield, N. J.

Everything Pertaining to the Business

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SPECIAL!

Musk Melons,
Sweet Potatoes.
DELICACIES,

—AT—

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SPECIALTIES:

Choice Teas and Coffees,
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AND

INSURANCE.

Will attend to selling at auction

all kinds of Real and Personal

Property.

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Mason & Builder,

66 Montgomery Ave.

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Jobbing promptly attended to.

Estimates on contract work cheerfully

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Undertakers and Funeral Directors,

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Personal Attention Day or Night.

Upholstering and Furniture Repaired

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ALSO

Well Seasoned Wood,

SAWED OR SPLIT.

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BLOOMFIELD, N. J.

Martin J. Callahan,

CONTRACTOR.

Flagging, Curbing and Paving.

A supply of Door-steps, Window-sills and

Caps, and Cellar Steps constantly on hand.

STONE YARD: ON GLENWOOD AVE.,

NEAR D., L. & W. R. DEPOT.

RESIDENCE ON THOMAS STREET.

ESTIMATES FURNISHED ON APPLICATION.

ESSEX COUNTY ORPHANS' COURT.—
In the matter of the estate of Anabel G. Darwin, deceased, alleged to be insolvent. Order to limit on representation of insolvency. Josephine Darwin, Administratrix of Anabel G. Darwin, deceased, having represented to the Court on oath, that the personal and real estate of the said deceased, according to the best of her knowledge and belief, it is hereby directed and ordered by the Court that the Administratrix give public notice to the creditors of the estate to exhibit to said Administratrix under oath or affirmation their claims and demands against the estate, within six months, by setting up such notice in five of the most public places in the county, for the space of two months and also by advertising the same for the like period, once a week, in the BLOOMFIELD CITIZEN, a newspaper printed in this State. Dated July 7, 1892.

JOHN B. DUSENBERRY, Surrogate.

IN CHANCERY OF NEW JERSEY.

To Richard Duncan Harris and Mrs. Richard Duncan Harris.

By virtue of an order of the Court of Chancery of New Jersey, made on the day of the date hereof, in a cause wherein Elizabeth F. R. Laing is complainant and you are defendants, you are required to appear and plead demurrer or answer the complainant's bill, on or before the seventeenth day of August next, or the said bill will be taken as confessed against you.

The said bill is filed to foreclose a mortgage, made by Annie A. Baxter and Thomas B. Baxter to complainant, dated May 1st, 1889, on lands in the township of Bloomfield in the County of Essex and State of New Jersey; and you are made defendants because you Richard Duncan Harris own the mortgaged premises, and you Mrs. Richard Duncan Harris have an inchoate dower right therein.

GEORGE R. DUTTON, Solicitor for Complainant, Englewood, N. J. June 16, 1892.

May 19, 1892.

ESTATE OF MARY JANE YOUNG, DECEASED.—Pursuant to the order of John B. Dusenberry, Surrogate of the County of Essex, this day made, on the application of the undersigned executor of said deceased, notice is hereby given to the creditors of said deceased to exhibit to the subscriber under oath or affirmation their claims and demands against the estate of said deceased within nine months from this date, or they will be forever barred from prosecuting or recovering the same against the subscriber.

WILLIAM CADMUS.

DAWKINS

Is opposite the New Town

Committee Rooms and Tax

Collector's Office, three doors

south of the new Post-office.

DRY GOODS,

FANCY GOODS,

NOTIONS, ETC.

SCHOOL SUPPLIES.

Copy Books, Composition Books, Pads,

Pens, Penholders, Lead and Slate Pen-

cils, Pencil Sharpeners, Erasers, Rulers,

Craysons, Cuts, Ink, Muellage, Pencil

Boxes, School Bags, etc.

Patronage respectfully solicited.

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Bloomfield Centre,

Baker and Confectioner.

Ice Cream and Ices,

ALL FLAVORS.

Bricks a Specialty all the year round.

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PAINTER.

Wall and Ceiling Painting,

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Papering and Decorating

Done in the Best Manner.

Will be pleased to show my sample

book of New Designs of Papers for 1892.

Samples of all different grades, with

borders and friezes to match.

I will maintain my reputation for

prompt and careful attention to all or-

ders.

GUSTAV BRUETT,

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RESIDENCE, NO. 9 LINDEN AVE. P. O. BOX 361.

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Drainage, Flag Walks Laid,

Macadamizing, Grounds Laid out,

Furniture and Pianos Carefully Moved.

ODORLESS EXCAVATING.

GENERAL TEAM WORK.

Special attention given to Moving Furniture

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GEORGE W. WAY,

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Hand-Made Harness my Specialty

Repairing done with neatness and des-

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Late of New York.

Foot of MONROE PLACE, Bloomfield, and
BLOOMFIELD AVENUE R. R. Crossing, Glen Ridge.



Orders addressed to Box 118, Glen Ridge, will receive prompt attention.

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